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MEMO TO: City Council

FROM: Rosemarie Ives, Mayor

DATE: February 1, 2005

SUBJECT: **APPROVAL OF SUPPLEMENTAL AGREEMENT NO. 1 FOR
ENGINEERING SERVICES FOR THE CITY'S COMPREHENSIVE
GENERAL SEWER PLAN, PROJECT NO. 03-SS-35**

I. **RECOMMENDED ACTION**

Approval by motion: Authorize the Mayor to execute on behalf of the City of Redmond, a Supplemental Consultant Agreement No. 1 with R.W. Beck, to provide additional engineering services for preparation of the City's General Sewer Plan for the years 2005-2015, at an additional contract amount of \$55,000 including contingency.

II. **DEPARTMENT CONTACT PERSONS**

Dave Rhodes, Director of Public Works	556-2705
Bill Campbell, Assistant Director of Public Works	556-2733
Scott Thomasson, Utility Engineering Manager	556-2829
Lynn Arakaki, Project Engineer	556-2841

III. **DESCRIPTION**

The City of Redmond Community Development Guide policies provide that the City's General Sewer Plan should be updated every five years. The City's last formal plan was completed in 1997. Since that time, extensive growth has occurred in the Bear Creek Basin serving the Urban Planned Development (UPD) projects. Zoning changes have been made based on the City's vision for the next 20-year horizon. A new general sewer plan is needed to address these issues.

Council approved a Consultant Agreement with R.W. Beck, Inc. on August 19, 2003, to prepare an updated General Sewer Plan. During the course of the

preparation of the plan the City requested additional model data preparation, hydraulic modeling, and coordination with the King County flow data. The Supplemental Agreement No. 1 will address the additional scope of work, costs associated with the request, and an increase in labor costs.

IV. IMPACT

- A. Service/Delivery: The preparation of the new General Sewer Plan will provide the Water/Wastewater Division of the Public Works Department the technical direction it needs to recommend policy alternatives and capital improvements to the Council. The policy decisions will be necessary in order to implement planned additions and/or improvements to the sewer system, to provide for growth and improved services to those areas already developed.
- B. Fiscal:

<u>System Plan (RW Beck, Inc.)</u>	
Original Agreement	\$240,000
Supplemental Agreement No. 1	<u>55,000</u>
	\$295,000
<u>Funding</u>	
Water/Wastewater CIP	\$295,000

V. ALTERNATIVES

Council could choose not to authorize the Mayor to sign the Supplemental Agreement with R.W. Beck.

The Public Works Department would need to renew negotiations with R.W. Beck for a reduced Scope of Work and revised Supplemental Consultant Agreement.

VI. TIME CONSTRAINTS

The current Consultant Agreement has expired and the plan has not yet been completed. City of Redmond needs to complete the update of its General Sewer Plan preparation as soon as possible because the current plan is outdated.

VII. LIST OF ATTACHMENTS

A. Supplemental Agreement

s/s
Dave Rhodes, Director of Public Works

1/21/05
Date

Approved for Council Agenda **s/s**
Rosemarie Ives, Mayor

1/25/05
Date

**CITY OF REDMOND GENERAL SEWER PLAN
Project No. 03-SS-35**

SUPPLEMENTAL AGREEMENT NO. 1

This SUPPLEMENTAL AGREEMENT, made and entered into this _____ day of **January, 2005** between the City of Redmond, Washington, hereinafter called the CITY, and **R.W. Beck, Inc.**, hereinafter called the CONSULTANT, amends an earlier Consultant Agreement for **Engineering Services** dated **September 16, 2003**.

WHEREAS the CITY requires additional engineering services related to the above mentioned project, and pursuant to Section XIV (Extra Work) of the AGREEMENT;

NOW THEREFORE, it is mutually agreed that the terms, stipulations, and conditions of the original September 16, 2003 AGREEMENT shall be binding upon the parties hereto except insofar as amended by this SUPPLEMENTAL AGREEMENT as follows:

ITEM NO. 1: SCOPE OF WORK

Section II, SCOPE OF WORK of the AGREEMENT shall be amended by the additional tasks summarized in Exhibit A.

ITEM NO. 2: PAYMENT

Section V, PAYMENT, shall be supplemented to compensate the CONSULTANT for the items of extra work provided in connection with the work described in Exhibit A, SCOPE OF WORK, attached hereto.

The CONSULTANTS costs include all labor, materials, supplies, equipment, and incidentals necessary to complete the work specified in Exhibit A attached hereto. A summary of the CONSULTANT'S cost and a breakdown of the cost proposal are attached hereto as Exhibit B. By this reference the exhibit is made a part of this SUPPLEMENTAL AGREEMENT.

The "Maximum Amount Payable" involved on page 1 of the AGREEMENT is hereby modified to **\$295,000.00**.

Summarized below are the costs as listed in the original AGREEMENT and as modified by SUPPLEMENTAL AGREEMENT NO. 1.

Summary				
Description	Original Agreement	Supplement No. <u>1</u>	Supplement No. _____	Total
Labor Cost	\$201,804	\$ 40,236		\$242,040
Reimbursables	\$ 18,320	\$ 1,764		\$ 20,084
Total	\$220,124	\$ 42,000		\$262,124
Contingency	\$ 19,876	\$ 13,000		\$ 32,876
Grand Total	\$240,000	\$ 55,000		\$295,000

ITEM NO. 3: COMPLETION DATE

The completion date on page 1 of the AGREEMENT shall be modified to December 31, 2005.

EXECUTION

IN WITNESS WHEREOF, the parties have executed this SUPPLEMENTAL AGREEMENT by having their representatives affix their signatures below.

"Consultant"

CITY OF REDMOND

By _____

By _____
ROSEMARIE IVES, Mayor

(Title)

Attested:

By _____
City Clerk

Approved as to Form:

By _____
City Attorney

Amendment No. 1 Exhibit A

Scope of Work Redmond General Sewer Plan

Scope of Work

Task 2 – Update Planning Criteria

- Additional evaluation of King County I/I data.
- Review and evaluate King County modeling and mini-basin data.
- Additional iterations of flow database development.

Task 3 – Sewer Model Development

- Clean-up pipe and node data.
- Additional iterations of reviewing physical system data and identifying issues.
- Review King County MOUSE model data and adjust model inputs based on City data and objectives.

Task 10 – Project Administration

- Extended project schedule.

EXHIBIT B

Amendment #1

Amendment No. 1
 Exhibit B
 City of Redmond General Sewer Plan
 Budget Estimate for Amended Scope and 2004-2005 Rate Change

		R.W. BECK LABOR HOURS												
TASK	TASK DESCRIPTION	Sr. Proj. Manager \$175	Sr. Engineer \$175	Engineer 2003-2004 Rate \$95	Engineer 2004-2005 Rate \$105	Sr. Economist \$105	Technical Editor \$85	Support Services \$75	Financial \$75	Total Hours for Amended Scope	Labor for Amended Scope	Expenses for Amended Scope	Labor for New Rates on Existing Scope of Work	Total Labor
1.0	Update Background and Service Area Information									0	\$0	\$0	\$305	\$305
2.0	Update Planning Criteria			80						80	\$7,600	\$760	\$805	\$8,405
3.0	Sewer Model Development			16						16	\$1,520	\$150	\$480	\$2,000
4.0	Sewer System Evaluation									0	\$0	\$0	\$2,065	\$2,065
5.0	Update O&M Section									0	\$0	\$0	\$345	\$345
6.0	Prepare CIP									0	\$0	\$0	\$480	\$480
7.0	Sewer Plan Implementation									0	\$0	\$0	\$240	\$240
8.0	Prepare Draft Plan									0	\$0	\$0	\$1,190	\$1,190
9.0	Prepare Final Plan									0	\$0	\$0	\$600	\$600
10.0	Project Administration	8			48			16	12	84	\$8,540	\$854	\$0	\$8,540
Total Hours		8	0		48	0	0	16	12	180				

R.W. Beck Labor: \$24,170

Direct Expenses: \$1,764

Subconsultants: \$16,066

Contingency: \$13,000

Amendment No. 1 Subtotal: \$55,000

	<u>Original</u> <u>Contract</u>	<u>Amendment</u> <u>No. 1</u>	<u>Total</u>
Subconsultants			
Ben Carr	\$5,400	\$5,460	\$10,860
Intergraph	\$3,300	(\$3,300)	\$0
DHI	\$33,924	\$13,906	\$47,830
	<u>\$42,624</u>	<u>\$16,066</u>	<u>\$58,690</u>

Original Contract: \$240,000

Amended Contract Amount: \$295,000

EXHIBIT B

Exhibit B

City of Redmond General Sewer Plan

Budget Amendment For Existing Scope at New 2004-2005 Rates

TASK	TASK DESCRIPTION				
		Engineer's Budgeted Hours for Original Scope 2003-2004 Rate	Engineer's Actual Hours for Existing Scope	Engineer Remaining Budgeted Hours for Existing Scope	Updated Labor Revenue With Remaining Hours (Difference with new rate) \$10
1.0	Update Background and Service Area Information	44	13.5	30.5	\$305
2.0	Update Planning Criteria	112	31.5	80.5	\$805
3.0	Sewer Model Development	76	28	48	\$480
4.0	Sewer System Evaluation	208	1.5	206.5	\$2,065
5.0	Update O&M Section	64	29.5	34.5	\$345
6.0	Prepare CIP	48		48	\$480
7.0	Sewer Plan Implementation	24		24	\$240
8.0	Prepare Draft Plan	120	1	119	\$1,190
9.0	Prepare Final Plan	60		60	\$600
10.0	Project Administration	24	132.5		
Total Hours		780	237.5	651	\$6,510